



STATE OF RHODE ISLAND

**ENERGY EFFICIENCY &
RESOURCE MANAGEMENT COUNCIL**

CONSULTANT TEAM

Rhode Island Potential Study

An Introduction

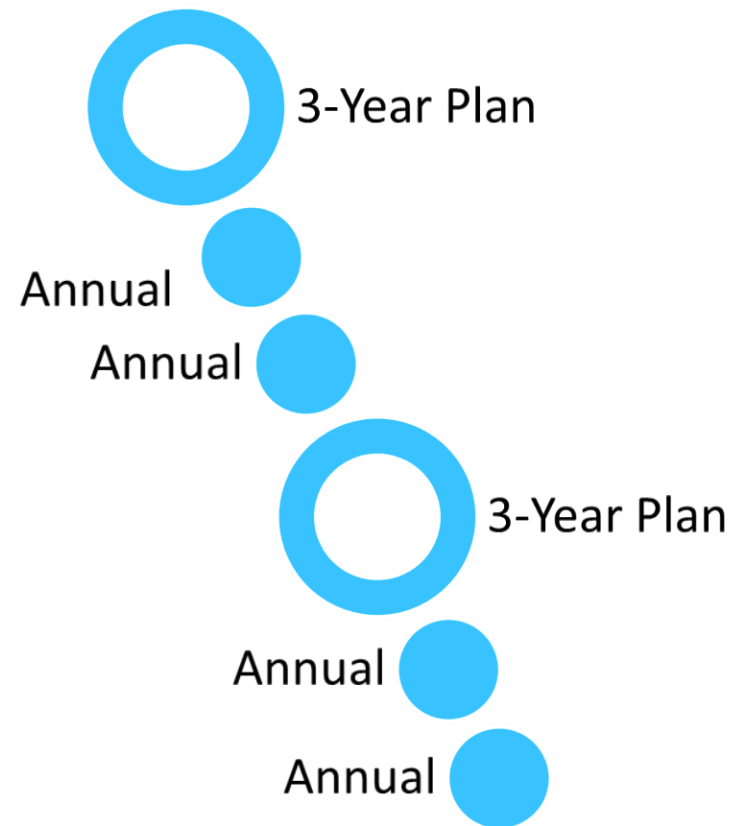
Presented By: Sam Ross, Optimal Energy, Inc.

Date: November 15, 2018



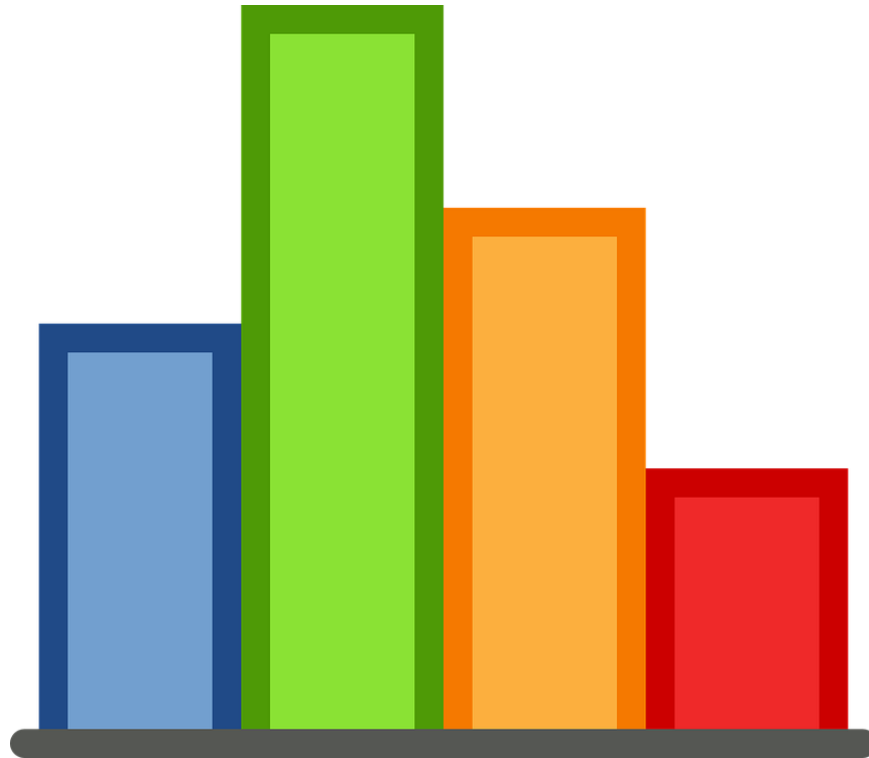
Introduction

- Next EE three-year plan developed in 2020
 - EE targets need PUC approval in early 2020
- How are targets set?
 - Energy efficiency potential studies
 - Other sources & analysis
- Update RI potential
 - Last potential study completed in 2010





Why a Potential Study?



- Quantify potential future energy efficiency savings
- Consider cost-effectiveness
- Account for realistic energy efficiency program and policy implementation
- Evaluate efficiency relative to supply side resources
- Formulate high-level program design, including savings targets and timelines



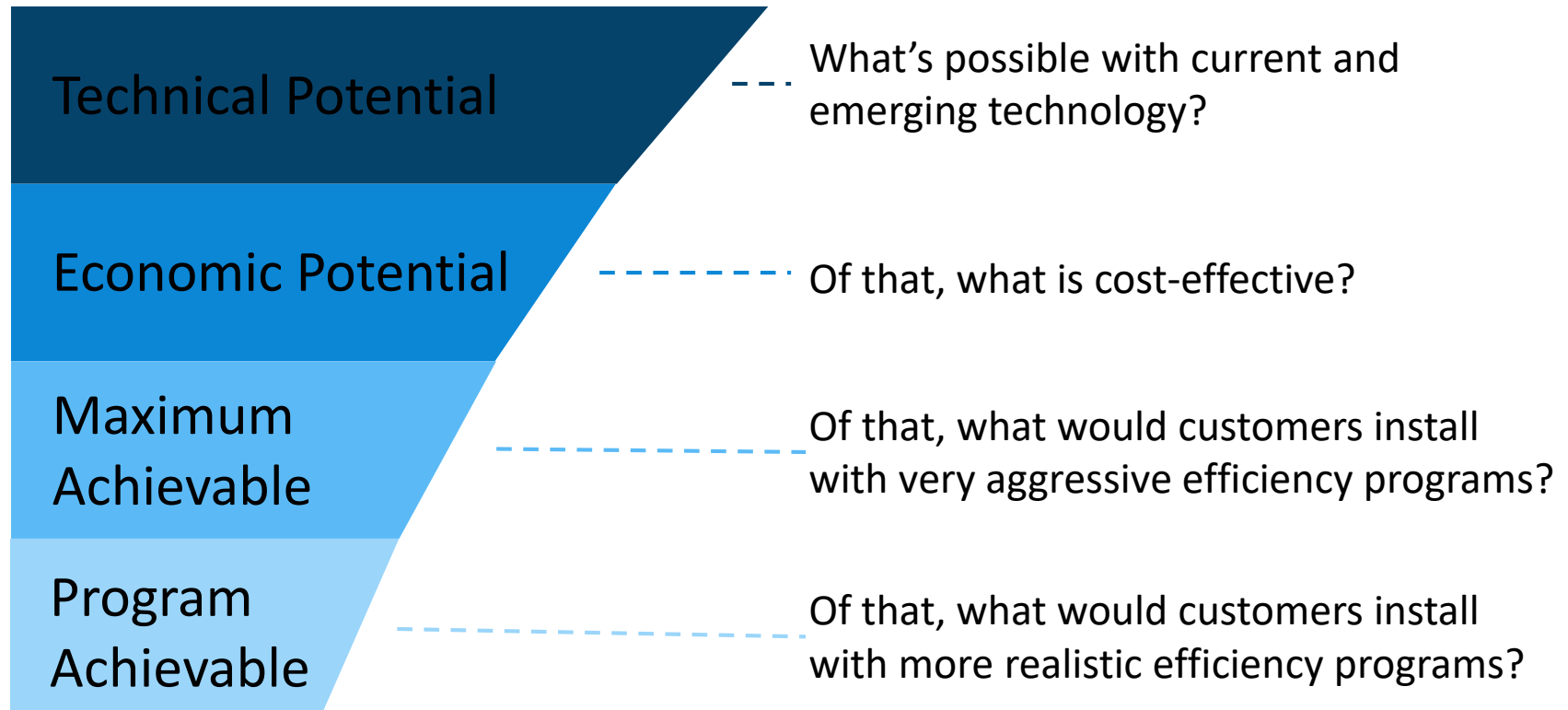
How are Potential Studies Used?

- Set attainable savings targets
- Quantify efficiency resources for system planning
- Determine funding levels for energy efficiency programs
- Design programs to achieve long-term potential
- Reassess opportunities as economic conditions change
- Account for changes in efficiency technologies





Potential Study Scenarios





Rhode Island Potential Study

- Last Rhode Island study completed in 2010
- Results will inform 2020 three-year planning cycle covering 2021-2023
- Update view of Rhode Island's efficiency market
 - Market transformations (e.g. Lighting)
 - Shifts in energy efficiency potential for existing technologies
 - Opportunities for emerging technologies



Team

- Potential Study Manager
 - EERMC Consultant Team
- Policy Support and RFP Issuance
 - Office of Energy Resources
- Potential Study Implementation
 - EERMC-selected contractor (TBD)
- Data Collection and Support
 - National Grid
- Advisory Committee
 - OER, the DPUC, NGrid, and others





High-Level Study Scope

Scope	Details
Time Period	2021 through 2026
Geography	All of Rhode Island (3 Utility Territories)
Covered Fuels	<ul style="list-style-type: none">- Electricity- Natural Gas- Delivered Fuels
Areas of Focus Technologies	<ul style="list-style-type: none">- Energy Efficiency- Demand Response- Heating Electrification- Lighting- Combined Heat & Power (CHP)- Emerging Technologies
Potential Study Scenarios	<ul style="list-style-type: none">- Technical- Economic- Maximum Achievable- Program Achievable



Draft Timeline

Dates	Key Events
Jan – Feb 2019	Scope of Work and RFP developed
April 2019	RFP Issued
June 2019	RFP Response Deadline
July 2019	RFP Contractor Selected
Aug – Nov 2019	Core analysis of potential study conducted
Dec 2019	Interim results prepared for review, ready to inform three-year planning cycle
Mar 2020	Final report delivered, final results ready to inform annual planning cycle



Next Steps

- EERMC Meeting on December 13, 2018
 - Presentation with draft Rhode Island study details
 - Vote on 2019 budget for Energy Efficiency Potential Study
- Consultant team continues refining process and scope in coordination with key stakeholders
- Discuss potential study at December Collaborative meeting